



Work Order ID 53238


October 28, 2009 11:02:17 AM


Page 1

Item ID: D4012-1 Accept  Setup Start 
Revision ID: A-PRELIM 09.10.28 Stop 
Item Name: Cushion
Start Date: 10/28/2009 Start Qty: 20.00  Cust Item ID:
Required Date: 10/28/2009 Req'd Qty: 20.00  Customer:
Reference:

Approvals: Process Plan: MF Date: 09-10-28 Tooling: _____ Date: _____ Run Start 
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop 

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D4012	A-PRELIM								

100  0.00 20
Doosan
Doosan Lathe Memo
1-Turn as per folio FA & dwg D
FOLIO REV: AA
DWG REV: A
2-Deburr as required

110  0.00
QC Memo
Quality Control 0.00 09.10.28 20

ENGINEERING
APPROVAL 09.10.29

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			



NOTE: Date & initial all entries





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Page 2

Item ID:	D4012-1	Accept		Setup	Start	
Revision ID:	A-PRELIM				Stop	
Item Name:	Cushion					
Start Date:	10/28/2009	Start Qty:	20.00		Cust Item ID:	
Required Date:	10/28/2009	Req'd Qty:	20.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120  QC Quality Control	QC8- Inspect parts - second check Memo	0.00 0.00	JA 09/10/28			20			
130  Packaging Packaging	Identify as per dwg & Stock Location: Memo	0.00 0.00	USE FOR TESTING. SCRAP REMAINING PARTS. 06.11.27 09/12/01				N/A		
140  QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00	JA 09.10.30 Prototype						

W 09.12.14
RDO324AHC

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 1

October 28, 2009 11:02:17 AM

Work Order ID: 53238



Parent Item: D4012-1



Parent Item Name: Cushion

Start Date: 10/28/2009

Required Date: 10/28/2009

Comments:

Start Qty: 20.00

Required Qty: 20.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MUHMWT3.500X3.000		Purchased	No			100	f	10.0000	1.3263			

UHMW Tubing 3.5" x 3"

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

MAT

10

112968

10

mf 09.10.28

2.29'

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

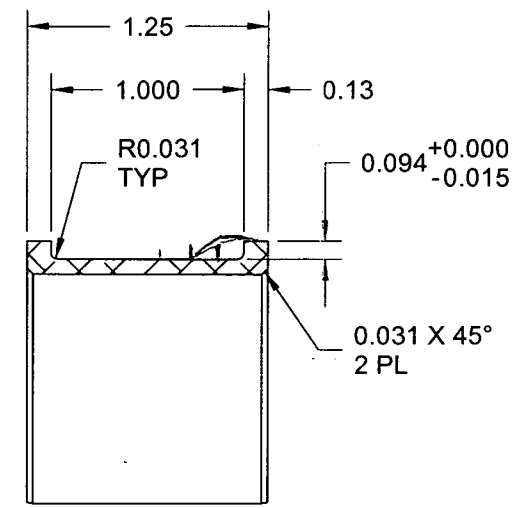
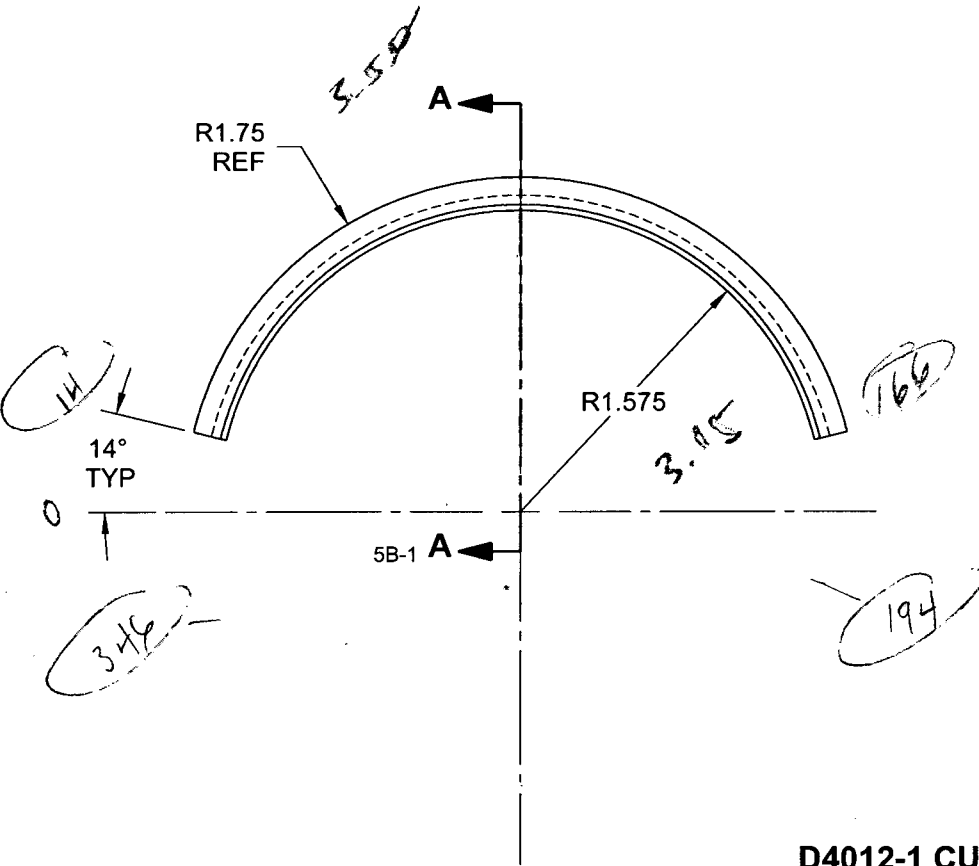
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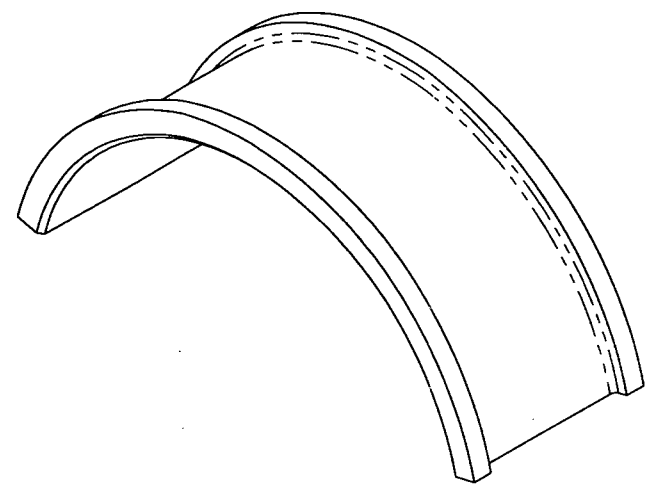
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A



SECTION A-A 7B-1



D4012-1 CUSHION

PRELIMINARY ISSUE
2010.28

- NOTES:
- 1) MATERIAL: UHMW WHITE TUBING, 3.500 OD X 0.250 WALL
REF. DART SPEC. MUHMWTR3.500W.250
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4012-1" USING FINE POINT PERMANENT INK MARKER
 - 7) WEIGHT: 0.02 lbs

A	NEW ISSUE	MB	09.10.19
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4012	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		CUSHION	NTS
DATE	09.10.19	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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PURCHAS

PART NUI

PRELIMINARY ISSUE
09.10.2g

	MB	09.10.19
DESCRIPTION	BY	DATE
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWING NO.	REV. A	
MUHMWTR	SHEET 1 OF 1	
TITLE	SCALE	
UHMW TUBING	NTS	
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Receiving Report

Date:

9/10/21

Batch No:

M110968

Supplier:

SARC

Dart P/O:

10599

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ N/A ☐
 Work Order ☒ N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

[Signature]

Production/Admin: *[Signature]*
 Date: 9/10/22
 Received/Costing: *[Signature]*
 Initial: *[Signature]*

Location _____

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D

*** VIA EMAIL OR FAX, PLEASE SUPPLY US WITH AN EMAIL ***
 *** ADDRESS OR FAX NUMBER . FAX TO 905-789-3161 ***

 *

DART
aerospaceDart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053**PURCHASE ORDER**

Purchase Order ID PO10549

Purchase Order Date 08/10/2009

PO Print Date 08/10/2009

Page Number 1 of 1

Order From :

VC-GEPO01

SABIC POLYMERSHAPES
9150 AIRPORT ROAD
BRAMPTON, ON L6S 6G1
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

800 267 1575

613 745 4291

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	MUHMWT3.500X3.000	UHMW Black Tubing 3.5" x 3" <i>white</i>	13/10/2009 Yes	10.00 f	Purolator ground	\$32.9500	\$329.50
		Special Inst:	UHMW Black <i>white</i> Tivar 1000 Virgin Mat. Manufacturer: Poly HI Soldur				

PO Total:

\$329.50

FAXED
08-10-2009

Change Nbr: 1

Change Date: 08/10/2009

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



SABIC Polymershapes

1250 OLD INNES RD. 519 OTTAWA, ONT. K1B 5L3
TEL: 613 745 7043 FAX: 613 745 8163

CERTIFICATE OF COMPLIANCE

SOLD TO: DART AEROSPACE

DATE: 10/22/2009

YOUR PURCHASE ORDER : 10549

OUR SHIPPER NO: O88603

LINE ITEM # : 1

QUANTITY: 10 FT

DESCRIPTION: UHMW TUBE 3.50" OD X 2.850" ID

10.10.29

THESE PARTS WERE MANUFACTURED IN ACCORDANCE WITH: ASTM D 4020-01

THIS IS TO CERTIFY THAT THE MATERIAL FINISHES AND FUNCTIONAL REQUIREMENTS OF THE ABOVE LISTED PARTS ARE IN ACCORDANCE WITH THE REFERENCE PROCUREMENT SPECIFICATIONS, CONTROL DRAWINGS OR PARTS DESIGNATION AND LATEST REVISIONS AS REFERENCED ON THE SUBJECT PURCHASE ORDER.

AUTHORIZED REPRESENTATIVE SIGNATURE

JON CALDWELL
BRANCH MANAGER

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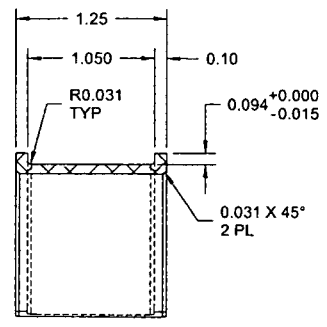
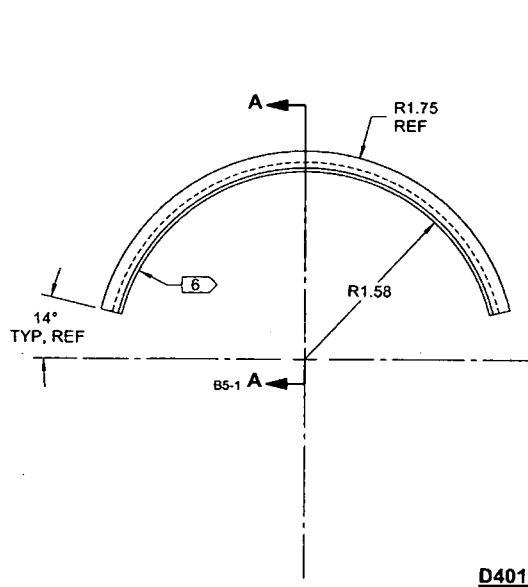
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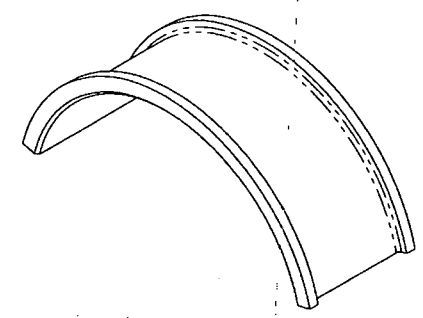
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B



SECTION A-A B7-1



D4012-1 CUSHION

53238

RELEASED
2009-11-24
MD

- NOTES:
- 1) MATERIAL: UHMW TUBING, 3.500 OD X 0.250 MIN WALL
REF. DART SPEC. MUHMWTR3.500W.XXXB OR MUHMWTR3.500B.XXXW
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
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